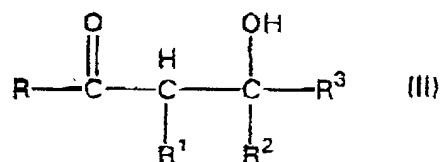
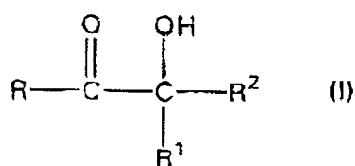


ABSTRACT



The application of carbonyl compounds in the process of tanning hides, including the use of selected α -hydroxyl ketones that present a general formula as (I) where R may be a linear or ramified alkyl group or even aromatic group and R^1 and R^2 may be hydrogen, linear or ramified alkyl or even aromatic, as, for example, $\text{R}^1 = \text{R}^2 = \text{H}$ and $\text{R} = \text{CH}_2\text{CH}_3$ or, preferentially, $\text{R}^1 = \text{R}^2 = \text{H}$ and $\text{R} = -\text{CH}_3$, or still, the use of selected β -hydroxyl ketones presenting a general formula as (II) where R may be a linear or ramified alkyl group or even aromatic group as, for example, R, R^1 and $\text{R}^2 = -\text{CH}_3$ and $\text{R}^3 = \text{H}$, preferentially R, R^2 and $\text{R}^3 = -\text{CH}_3$, and $\text{R}^1 = \text{H}$. The application of carbonyl compounds in the process of tanning hides, with the possibility of using a water solution, in concentrations that may vary from 0.1% till its pure state, that is, 100%, or still, in mixtures with other organic compounds acting as dilutents.